



Borough and Port Health Authority
of
FLEETWOOD

ANNUAL REPORT

1967

of

J. E. MORRIS, B.Sc., M.B., B.C.H., D.C.H., D.P.H., D.I.H.
Medical Officer of Health

and

DAVID R. McCULLOCH, M.A.P.H.I.
Chief Public Health Inspector and Cleansing Superintendent



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F L E E T W O O D C O R P O R A T I O N

H E A L T H C O M M I T T E E

1 9 6 7

CHAIRMAN:

Alderman W. Minns, J.P.

VICE-CHAIRMAN:

Councillor E.H. Funk

ALDERMEN:

H. Formstone

J.S. Shaw, J.P.

Mrs. E.M. Hope

W.J. Wheeler, J.P.

J. Nield

COUNCILLORS:

F. Anderton

J. Longrigg

T.N. Bond

R. Lyon

H. Chippendale

W. Potts

L.E. Consadine

Mrs. M.E. Rowntree

Miss D.M. Ewing

B. Robinson

L. Farquhar

R.C. Snape

A. Greenwood

E. Williamson

T. Irvin

R.A. Wright

T.J. Keating

TOWN CLERK

J.R. Barnes

P U B L I C H E A L T H D E P A R T M E N T S T A F F

MEDICAL OFFICER OF HEALTH and PORT MEDICAL OFFICER:

J.E. MORRIS, B.Sc., M.B., B.C.H., D.C.H., D.P.H., D.I.H.

DEPUTY MEDICAL OFFICER OF HEALTH and

DEPUTY PORT MEDICAL OFFICER:

E.A.R. BERKLEY, T.D., M.R.C.S., L.R.C.P.

CHIEF PUBLIC HEALTH INSPECTOR (BOROUGH AND PORT) and

CLEANSING SUPERINTENDENT:

D.R. McCULLOCH, M.A.P.H.I. (abcdf)

PUBLIC HEALTH INSPECTORS:

E. Whitehead, F.R.S.H. (def)

H. Farrer, Cert.S.J.B. (ba)

J. Mitchell, M.R.S.H. (a)

STUDENT INSPECTORS:

M. McConnell

M. Siddall

CLERKS:

F. Swarbrick

Miss E. Barker

GENERAL FOREMAN:

W. Inker

- a Also holds the Royal Society of Health's Certificate as a Meat and Food Inspector.
- b Also holds the Royal Society of Health's Certificate as a Smoke Inspector.
- c Also appointed Inspectors under the Imported Food Regulations.
- d Also appointed Shops' Inspector and Explosives' Officer.
- e Also appointed Assistant Cleansing Superintendent.
- f Also appointed under the Offices, Shops and Railway Premises Act, 1963.

Public Health Office,
Copse Road, FLEETWOOD.

September, 1968

To His Worship the Mayor, Aldermen and Councillors of the
Borough of Fleetwood.

Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the health of the Borough for the year 1967 combined with that of the Chief Public Health Inspector.

The health of the Borough remained satisfactory during 1967 and there were no major outbreaks of infectious illnesses. The vital statistics for the area during the year presented, on the whole, a satisfactory picture. I think I should, however, comment on the sharp increase in deaths from lung cancer in the Borough. During 1967, twenty six persons died of lung cancer compared with only sixteen during the previous twelve months. There were also nineteen deaths from bronchitis during 1967 and we are not likely to see an appreciable fall in the incidence of either of these diseases without there is a significant reduction in the amount of cigarette smoking which is one of the important factors in their causation.

My thanks are again due to my colleagues in the Health Department for their loyalty and assistance. I would also wish to express my appreciation to the Chairman and members of the Health Committee for the encouragement and support afforded to me.

J.E. MORRIS,

Medical Officer of Health.

STATISTICAL SUMMARY

General Statistics

Area (Acres) Land	...	...	...	...	...	...	2,636
Foreshore and Sea	...	...	...	...	...	...	3,644
Population (R.G. Estimate, June 1967)	...	...	...	...	...	...	28,630
Number of Inhabited Houses (per Rate Books)	...	...	...	...	...	...	9,041
Number of Families or Separate Occupiers (1961)	...	...	...	...	...	...	8,534
Rateable Value...	...	...	...	...	...	...	£924,548
Sum Represented by a Penny Rate	...	...	...	...	...	...	£3,615
Total Rate	...	...	...	...	...	...	12/4

Extracts from Vital Statistics for the Year

					Total	Male	Female
Live Births - Legitimate	...	...	...	...	415	215	200
Stillbirths	Illegitimate	...	...	...	39	20	19
Deaths	...	...	...	...	353	174	179
Crude Death Rate	...	...	...	...	...	...	12.3
Adjusted Death Rate	...	...	...	...	...	...	12.7
Respiratory T.B.	...	...	...	...	...	...	0.03
Malignant Neoplasms, etc.	...	...	...	...	...	...	2.69
Crude Birth Rate	...	...	...	...	...	...	15.9
Adjusted Birth Rate	...	...	...	...	...	...	16.7
Stillbirth Rate per 1,000 Total Births	...	...	...	...	...	...	15
Maternal Mortality Rate per 1,000 total births	...	...	...	...	...	...	Nil
Infant Mortality Rate per 1,000 live births	...	...	...	...	...	...	13.0
Neo-natal Mortality Rate per 1,000 live births	...	...	...	...	...	...	7
Early Neo-natal Mortality Rate per 1,000 live births	...	...	...	...	...	...	7
Perinatal Mortality Rate per 1,000 total births	...	...	...	...	...	...	22

PHYSICAL FEATURES

Fleetwood is situated within the Fylde District. Lying at the mouth of the River Wyre, it is a seaport and market town. The area is bounded on the North by Morecambe Bay, on the west by the Irish Sea, on the east by the River Wyre, and on the south by the Urban District of Thornton Cleveleys.

Most of the land is low-lying; the subsoil varies from sand and gravel near the coast to heavy marl. The principal industry is Deep Sea Fishing, with its contingent industries; it is also a seaside resort of considerable importance.

The area of the Fleetwood Sanitary District is 6,280 statute acres. The Borough is divided into six wards, the area of which are set out below:-

				Acres
Pharos Ward	...	...	...	845
Mount Ward	...	...	...	75.5
Milton Ward	...	...	...	72.5
Warren Ward	...	...	...	115
Park Ward	...	...	...	688
Rossall Ward	...	...	...	<u>840</u>
Total				2,636
Foreshore and Sea Area	...			<u>3,644</u>
				<u>6,280</u>

GENERAL PROVISION OF HEALTH SERVICES

Bacteriological Examinations

Facilities for the examination of specimens, by the Public Health Laboratory Service, Preston and Pathological Department, Blackpool Victoria Hospital are available for all medical practitioners in the district without charge.

MIDWIVES

There are three midwives in the district under the control of the Lancashire County Council.

CLINIC AND TREATMENT CENTRES

There are no clinics or treatment centres under the direct control of this Authority.

The Child Welfare and Ante-Natal Clinics are both under the control of the Lancashire County Council and are situated in Ribble Road and Grange Road (Child Welfare Only).

The venereal disease treatment centres are at Preston Royal Infirmary and Blackpool Special Treatment Clinic.

Fleetwood Chest Clinic, Fleetwood Hospital. Session each Thursday afternoon.

HOSPITALS

Fleetwood hospital, contains 28 beds and four cots, for cases of general sickness and accidents, but being administered by the Blackpool and Fylde Hospital Management Committee patients can be and are sent or transferred to any suitable Hospital within the district.

For infectious diseases there is the Devonshire Road Hospital, Blackpool.

Milton Lodge Maternity Home, of 11 beds is fully occupied and provides an important service.

Rossall Hospital with 127 beds and Wesham Park Hospital with 322 beds (including 34 for Psycho-Geriatric cases), are available for the chronic sick of all ages, and there are also 68 psychiatric beds available at Wesham Park Hospital.

AMBULANCE FACILITIES

For both infectious and non-infectious cases the Lancashire County Council keep available within the district two motor ambulances and one car for sitting cases.

THE EDUCATION (ADMINISTRATION PROVISIONS)

ACT, 1907

Under this Act, the County Council is the responsible Authority, and their Medical Officers make the examination of the children attending the Council Schools.

NATIONAL ASSISTANCE ACT, 1948, SEC. 47

It was necessary during the year to make application for the removal of one aged person who was not receiving proper care and attention. This person is now remaining in hospital voluntarily.

POPULATION

The resident population of Fleetwood to June 1967, is estimated to be 28,630, an increase of 944 over the 1961 Census figures. The increase during the year of births over deaths was 101.

BIRTHS

Boys - 235 Girls - 219 Total 454

The number of births registered in the district was 182, but, allowing for inward and outward transfers, the corrected number is 454.

This gives a birth-rate of 16.7 per 1,000 of the population, compared with 16.5 for the previous year.

The birth rate per 1,000 of the population for the whole of England and Wales for 1967 was 17.2.

ILLEGITIMATE BIRTHS AND DEATHS

There were 39 illegitimate births, giving a percentage of 8.5 of the total births. In 1966 the number was 35 with a percentage of 7.7 of the total births.

The number of deaths of illegitimate children under one year was nil.

INFANT MORTALITY FOR THE PAST FIVE YEARS

Year	Under 1 week	1-2 wks.	2-3 wks.	3-4 wks.	Total under 1 month	1-3 mos.	3-6 mos.	6-9 mos.	9-12 mos.	Total under 1 year	Death-rate per 1,000		
											Fleet- wood	Engl'd and Wales	Lancs. County
1963	6	1	3	-	10	1	2	1	2	16	30.5	20.9	23.3
1964	9	1	2	1	13	4	1	1	-	19	35.6	20.0	21.4
1965	4	-	-	-	4	3	2	-	-	9	17.8	19.0	19.8
1966	8	-	-	-	8	3	-	1	-	12	26.7	17.7	19.9
1967	3	-	-	-	3	1	-	2	-	6	13.0	18.3	--

The mean infantile death-rate for the district for the five years 1963 to 1967 being

24.7 per 1,000 births, compared with the:-

County 21.6, England and Wales 19.2.

INFANT MORTALITY DURING THE YEAR 1967

Net Deaths from stated causes at Various Ages Under One Year of Age

Causes of Death	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
All Causes:										
Certified	3	-	-	-	3	1	-	2	-	6
Uncertified (including Inquests)	-	-	-	-	-	-	-	-	-	-
Bronchitis	-	-	-	-	-	-	-	-	-	-
Enteritis	-	-	-	-	-	-	-	-	-	-
Pneumonia	-	-	-	-	-	1	-	1	-	2
Prematurity	3	-	-	-	3	-	-	-	-	3
Diarrhoea	-	-	-	-	-	-	-	-	-	-
Marasmus	-	-	-	-	-	-	-	-	-	-
Tuberculosis... ..	-	-	-	-	-	-	-	-	-	-
Other causes... ..	-	-	-	-	-	-	-	1	-	1
Total	3	-	-	-	3	1	-	2	-	6

Net births in the year:-	M.	F.	Total	Net deaths under one year:-	M.	F.	Total
Legitimate	215	200	415	Legitimate	2	4	6
Illegitimate	20	19	39	Illegitimate	-	-	-
	235	219	454		2	4	6

DEATHS

Males - 174 Females - 179 Total 353

The number of deaths registered in the district was 387 but deducting 138 deaths of persons not usually resident in this district, and adding 104 deaths of residents which occurred in other districts, the corrected number is 353.

This gives a crude death-rate of 12.3 per 1,000 of the population compared with 12.8 in 1966. The adjusted death-rate being 12.7.

The death-rate of the deaths actually occurring in the district, viz., 387 was 13.5 per 1,000.

UNCERTIFIED DEATHS AND INQUESTS

During the year there were 41 deaths registered in which the cause of death was not certified by any medical practitioner. An inquest was held in 11 cases, and the verdicts given by the Coroner were as follows:-

Misadventure	...	...	...	4
Suicide	...	...	...	6
Accidental	...	...	...	1

DEATHS IN INSTITUTIONS

During the year, 214 persons died in the Rossall and Fleetwood Hospitals.

CAUSES OF DEATH DURING THE YEAR 1967

					Male	Female	Total
Tuberculosis Respiratory	...	...			1	-	1
" Other	...	...	...		-	-	-
Syphilic Disease	...	...	...		-	-	-
Whooping Cough	...	...	...		-	-	-
Acute poliomyelitis	...	...	...		-	-	-
Meningococcal Infections	...	...			-	1	1
Other Infective and Parasitic Diseases					1	1	2
Malignant Neoplasm, Stomach...	...	...			3	1	4
" " Lung, Bronchus..					23	3	26
" " Breast ...	...	...			-	7	7
" " Uterus ...	...	...			-	5	5
Other Malignant and Lymphatic Neoplasms					18	16	34
Leukaemia and aleukaemia	...	...			-	1	1
Diabetes ...	...	...	...	...	2	1	3
Vascular Lesions of Nervous System..					15	27	42
Coronary disease, angina	...	...			37	28	65
Hypertension with heart disease	...	...			1	3	4
Other heart disease	...	...	...		20	40	60
Other circulatory diseases	...	...			11	12	23
Influenza ..	...	...	...	...	-	1	1
Pneumonia ..	...	...	...	...	4	2	6
Bronchitis .	...	...	...	...	17	2	19
Other diseases of respiratory system					-	1	1
Ulcer of stomach and duodenum	...				2	-	2
Gastritis, enteritis and diarrhoea..					-	2	2
Nephritis and Nephrosis	...	...			-	-	-
Hyperplasia of Prostate	...	...			1	-	1
Pregnancy, childbirth, abortion	...				-	-	-
Congenital malformations	...	...			1	1	2
Other defined and ill-defined diseases					5	18	23
Motor vehicle accidents	...	...			4	1	5
All other accidents	...	...	...		3	3	6
Suicide ...	...	...	...	...	4	2	6
Homicide ...	...	...	...	...	1	-	1
					<u>174</u>	<u>179</u>	<u>353</u>

INFECTIOUS DISEASES

Deaths from the seven principal Zymotic Diseases

Smallpox	...	...	...	...	--
Measles	...	...	...	...	--
Scarlet fever	...	...	...	...	--
Whooping cough	...	...	...	...	--
Diphtheria	...	...	...	...	--
Enteric	...	...	...	...	--
Diarrhoea	...	...	...	...	--

Under the Public Health Act, 1936, 163 cases were notified. The following is a detailed list of the several diseases:-

DIPHTHERIA AND SCARLET FEVER

It is pleasing to report that for the sixteenth consecutive year there were no notified cases of diphtheria within the Borough. There were no cases of Scarlet Fever.

DYSENTERY

There were 2 cases in the year.

TUBERCULOSIS

The number of cases notified was 7 pulmonary and 2 other tuberculosis.

The number of deaths from pulmonary tuberculosis was 1 and from other forms of tuberculosis nil, a total of 1 (1 male) giving a death-rate of 0.03 per 1,000.

Those from lung tubercle give a death-rate of 0.03 per 1,000.

The number of cases receiving sanatorium treatment during the year was 5.

The notification of tuberculosis is satisfactory.

RESPIRATORY ORGANS

The deaths numbered 27, giving a death-rate of 0.9 and include those from bronchitis (19) and pneumonia (6).

ORGANIC HEART DISEASE

One hundred and twenty nine deaths, giving a death-rate of 4.5 per 1,000.

MALIGNANT DISEASE (CANCER)

There were 76 deaths from cancer (44 males, 32 females), giving a rate of 2.69 per 1,000.

INFECTIOUS DISEASES

Visits to the number of 81 were made to cases of infectious diseases during the year, no school notices or certificates were issued.

Disinfection has been carried out on request by spraying and fumigating the infected rooms with formalin and treating infected bedding and clothing by vapour gas at the Town's Depot. The vapour gas disinfectors are also available for treating infected or verminous clothes, beds, etc., from the ships whilst in the docks.

During the year, 319 rooms and 149 articles were disinfected, 73 articles were destroyed.

To His Worship the Mayor, Aldermen and Councillors of the
Borough of Fleetwood

Ladies and Gentlemen,

I have pleasure in presenting my seventh annual report on the work carried out by the Health and Cleansing Department.

During 1967, the Food Hygiene (Markets, Stalls and Delivery Vehicles) Regulations, 1966 came into force and, in view of the number of fish hawkers based in Fleetwood, and operating throughout the County, priority was given to the inspection of these vehicles. The initial survey under the Offices, Shops and Railway Premises Act, 1963 was completed during the year and this work now becomes a matter of routine inspection.

In April, our neighbouring authority, Thornton Cleveleys commenced tipping on the Jameson Road refuse tip. This joint tipping operation will mean the reclamation of the marsh at the rate of three acres per year. The disposal of old motor cars becomes a greater problem each year. In 1967, a considerable number of these old cars were disposed of by burying them at the refuse tip. Quite obviously, there is a limit to the number of cars that can be dealt with in this way and, sooner or later, an alternative means of disposing of old cars will have to be found.

The summer season saw the new extension to Ockwell's Caravan Park fully occupied. This means that there are now over 1,300 holiday caravans on licensed sites within the Borough and, when the caravans are fully occupied, a population increase of at least 4,000.

Once again, we were fortunate in being able to maintain a full staff and there were no staff changes during the year. I must express my appreciation to all the members of the health and cleansing staff for their loyal and willing co-operation throughout the year.

I would like to take this opportunity to thank the Chairman, Vice-Chairman and Members of the Health and Welfare Committee for their support in the work undertaken during the year.

D.R. McCULLOCH

Chief Public Health Inspector.

ENVIRONMENTAL HEALTH

SUMMARY OF VISITS AND INSPECTIONS FOR YEAR ENDING

31st DECEMBER, 1967

General Sanitation:

Accumulations	...	...	...	...	...	...	80
Complaints investigated			...	...	...	...	423
Defective drainage		...	...	...	...	...	346
Drain tests	...	...	...	...	...	...	12
Depositing of rubbish on land			...	...	...	...	6
Filthy premises	...	...	...	...	...	...	13
Premises infested with insects			...	...	...	...	613
Rodent repression		...	...	...	...	...	108
Houses in multi-occupation	...		...	...	...	...	7
Interviews with owners, contractors etc.	..				...	...	317
Infectious disease		...	...	...	...	...	81
" " re faeces specimens				...	...	...	24
Keeping of animals, poultry and pigeons	...				...	...	34
Overcrowding	...	...	...	...	...	...	5
Offensive trades (a) Fish meal works				...	...	...	17
(b) Others	...		...	...	...	...	-
Places of entertainment		...	...	...	...	...	1
Public market stalls	...		...	...	...	...	697
Public conveniences		...	...	...	...	...	29
Re-visits to work ordered or in progress	...				...	...	261
Refuse Accommodation	...		...	...	...	...	76
Schools	...	...	...	...	...	...	-
Stables and piggeries	...		...	...	...	...	2
Smoke observations		...	...	...	...	...	21
Smoke abatement		...	...	...	...	...	31
Miscellaneous	...	...	...	...	...	...	599

Miscellaneous Acts and Orders:

Caravan	...	...	...	...	...	...	29
Diseases of Animals (Waste Food)	...	...	...	...	...	...	1
Explosives	...	...	...	...	...	...	5
Factories	...	...	...	...	...	...	34
Scrap Metal Dealers	...	...	...	...	...	...	-
Food Hygiene	...	...	...	...	...	...	56
Noise Abatement	...	...	...	...	...	...	34
Pet Shops and Animal Boarding Establishments	...	...	...	...	...	...	3
Rent	...	...	...	...	...	...	-
Shops	...	...	...	...	...	...	10
Young persons employment	...	...	...	...	...	...	1
Clean Air	...	...	...	...	...	...	-
Offices, Shops and Railway Premises	...	...	...	...	...	...	222

Cleansing:

Refuse collection and disposal	...	...	...	...	...	...	99
Street cleansing	...	...	...	...	...	...	342
Salvage	...	...	...	...	...	...	7

Housing and Public Health Acts:

Houses inspected: (a) Under Public Health Acts	..	64
(b) " Housing Acts	...	189
(c) Prior to Removal	...	67
(d) Survey re Improvement Areas		145
Re-inspections: (a) Under Public Health Acts	...	56
(b) " Housing Acts	...	48

The following table gives a classified list of the nuisances dealt with during the year:-

HOUSING:

External:

Drains cleansed or repaired	...	...	...	...	250
Soil pipes and vent. shafts repaired or renewed	...				-
R.W.P. and R.W.G. repaired or renewed		...	...		11
Waste pipes repaired or renewed		...	...	...	5
Yards paved or repaired	...	...	...	...	1
Yards walls repaired or rebuilt		...	...	...	3
House walls repaired or rebuilt		...	...	...	5
Roofs repaired and made weatherproof...		...	...	...	21
Chimney stacks repaired or rebuilt	...		...	...	4
Houses provided with sanitary dustbins		...	...		290
Yards cleansed and accumulations removed		...	...		33
Noise complaints abated	...	...	...	...	2

Internal:

Floor relaid or repaired	...	...	...	...	5
Sub-floor ventilation improved...		...	...	...	-
Walls and ceilings repaired or replastered...			...	...	3
Defective stairs repaired	...	...	...	...	-
Handrails provided to stairs	...	...	...	...	-
Windows repaired or renewed	...	...	...	...	8
Doors repaired or renewed	...	...	...	...	-
New sinks or washbasins provided		...	...	...	-
Fireplaces repaired or renewed		...	...	...	2
Water supply pipes repaired or renewed			...	...	4
Houses cleansed, disinfected or disinfested				...	68
Cases of overcrowding abated	...	...	...	...	3
Dampness abated	...	...	...	...	-
Food stores provided	...	...	...	...	-
Cooker provided	...	...	...	...	1

Back boilers renewed	...	...	...	...	...	-
Wash boilers	...	...	...	...	...	-
Waterclosets:						
Structures repaired	...	...	...	...	...	2
Waterclosets cleansed or limewashed	..	...	...			-
Pedestals or seats renewed	...	...	...	...	...	2
Flush pipes repaired or renewed		...	...	...	...	1
Cisterns repaired or renewed		...	...	...	...	3
Various:						
Conveniences separated for sexes	...	...	...			-
Washbasins provided, repaired or cleansed	..	...				-
Premises limewashed, tiled, painted or repaired	...					15
Additional sanitary accommodation provided		...				-
Existing sanitary accommodation repaired or cleansed						19
					etc.	
Intervening ventilated space provided		...	...	
Floors repaired	...	...	...	...	...	-
Food premises hygiene improved		...	...	...	...	9
" " floors repaired		...	...	...	...	-
" " other repairs	...	...	...	...	...	-
Accumulations removed	...	...	...	...	...	-
Smoke nuisance abated	...	...	...	...	...	-
Pet Animals Act, contraventions remedied	...	...				-
Food Hawkers Vehicles:- Contraventions abated,						87
Hygiene improved etc.	...					

HOUSING

Number of new houses or flats erected during the year:

Total	...	...	...	...	...	...	...	170
(1) By the Local Authority	...	...	...	...	...	...	...	51
(2) By other bodies or persons	...	...	...	...	...	...	...	119

(1) Inspection of Dwelling-houses during the Year:

(1)(a) Total number of dwelling-houses inspected formally or informally for housing defects (under Public Health or Housing Acts) ... 396

(b) Number of inspections, formal or informal, made for the purpose ... 500

(2) Dwelling-houses unfit for human habitation and not capable at reasonable expense of being made fit:-

(a) No. found during year ... 21

(b) No. (or estimated no.) at end of year ... 37

(3) No. of dwelling-houses found during the year to be not in all respects reasonably fit for human habitation but capable of being rendered fit ... 77

A. Houses Demolished

In Clearance Areas.

	Houses Demolished	Persons Displaced
(1) Houses unfit for human habitation	22	1
(2) Houses included by reason of bad arrangement etc. ...	-	-
(3) Houses on land acquired under Sect. 43 (2) Housing Act, 1957 ...	-	-

Not in Clearance Areas.

(4) As a result of formal or informal procedure under Sect. 17 (1), Housing Act, 1957 ...	-	-
(5) Local Auth. owned houses certified unfit by M.O.H. ...	-	-
(6) Houses unfit for human habitation where action has been taken under local Acts ...	-	-
(7) Unfit houses included in unfitness orders ...	-	-

B. Unfit Houses Closed.

(8) Under Sect. 16 (4); 17(1) and 35(1) Housing Act, 1957 ...	1	4
(9) Under Sect. 17(3) and 26, Housing Act, 1957 ...	-	-
(10) Parts of buildings closed under Sect. 18 Housing Act, 1957..	-	-

C. Unfit Houses Made Fit and Houses in which Defects were Remedied	By Owner	By L.A.
(11) After informal action by L.A.	108	-
(12) After formal notice under		
(a) Public Health Acts	1	-
(b) Sects. 9 & 16, Housing Act, 1957	-	-
(13) Under Sect. 24 Housing Act, 1957	-	-
	No. Houses	Separate Dwellings
D. Unfit Houses in Temporary Use.		
(14) Retained for temporary accommodation		
(a) Under Sect. 48	-	-
(b) Under Sect. 17 (2)	-	-
(c) Under Sect. 46	-	-
(15) Licensed for temporary occupation under Sect. 34 or 53	-	-
	No. Houses	No. Occupiers
E. Purchase of House by Agreement.		
(16) Houses in Clearance Areas other than those included in confirmed clearance orders or compulsory purchase orders purchased in the year	-	-

	Private bodies or individuals		Local Authority	
	No. of Schemes	No. of dwelling houses or other buildings affected	No. of Schemes	No. of dwelling houses or other buildings affected
Housing Act, 1949 - Improvement Grants etc:-				
Action during the year:				
(a) Submitted by private individuals to local authority ...	3	3	-	-
(b) Submitted by local Authority to Ministry ...	-	-	-	-
(c) Finally approved by Ministry ...	-	-	-	-
(d) Work completed	3	3	-	-
(e) Additional separate dwellings included in (d) above...	-	-	-	-

House Purchase & Housing Act, 1959 - Standard Grants

Action during year:	No. of Schemes	No. of dwellings or other buildings affected
(a) Submitted to local authority ...	36	36
(b) Approved by local authority ...	36	36
(c) Work completed	29	29

OVERCROWDING

(4) Housing Act, 1957 - Overcrowding:-

- (a) Number of new cases of overcrowding reported during the year 5
- (b) (1) Number of cases of overcrowding relieved during the year 3
- (2) Number of persons concerned in such cases ... 10

WATER SUPPLY

The water supply in the Borough is provided by the Fylde Water Board. The sources of the water are the Grizedale and Stocks reservoirs and the supplies from these reservoirs is augmented by boreholes at Garstang and Broughton. The water is highly potable and the average P.H. value during the year was 7.7 during the winter and 8.1 during the summer.

Samples are taken for bacteriological examination by the Fylde Water Board and the Health Department, these samples show that the water supply is most satisfactory.

The following are details of bacteriological samples taken during the year 1967.

Number of samples taken by Fylde Water Board ... 26
Number of samples taken by Health Department ... 14

All of these samples were satisfactory.

In addition, two samples of tap water were taken by the Health Department and submitted to the Public Analyst for chemical analysis. Both these samples were reported to be satisfactory.

SWIMMING BATH WATER

The water for the Marine Pool is pumped in direct from the sea and subjected to continuous filtration by mechanical filters and then chlorinated. Regular tests were made during the summer months when the pool was in use to ensure that the amount of free chlorine was being maintained at a satisfactory level and, in addition, 30 samples were submitted for bacteriological examination. The results of these samples were as follows:-

Satisfactory ... 27
Unsatisfactory ... 3

6 samples were also taken from Rossall School swimming baths. The first three samples were below standard and advice was given with regard to maintaining a correct level of free chlorine. Subsequent samples were satisfactory.

DRAINAGE AND SEWERAGE

All premises within the Borough are drained by water carriage and the district is well provided with sewers. Sewage is carried by gravitation except for the Rossall area and a small area in Radcliffe Road both of which have to be pumped. There are pumping stations at Rossall Square, Rossall School, Rossall Beach and Wyre Street. In recent years, the pump capacities have been increased and this has practically eliminated the possibility of sewers surcharging, except in exceptional storm conditions. Sewage is finally discharged into the sea via the modern pumping station on the West side.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

TABLE OF REGISTRATION ETC.

Class of Premises	No. Registered during year	Total No. of Registered Premises at year end	No. of Premises receiving a General Inspection during year	No. Persons Employed in Registered Premises
Offices ...	1	67	24	410
Retail Shops	-	181	25	760
Wholesale Depts., Warehouses...	1	2	1	4
Catering Estabs.	3	35	9	355
Canteens ...	-	-	-	-
Fuel Storage Depots	-	-	-	-

During the year, 59 premises were surveyed comprising:-

24 offices

25 shops

1 wholesale warehouse

9 catering establishments

in all, 212 visits were made to premises under the Act and 34 informal notices were served requiring the abatement of contraventions. The types of contraventions noted are shown in the following table:-

	Offices	Shops	Wholesale Premises	Catering Estabs.	Contra- ventions abated
Overcrowding ...	-	-	-	-	1
Temperature ...	8	12	-	6	42
Ventilation ...	1	4	-	-	26
Lighting ...	5	8	-	-	61
Sanitary Conveniences	6	11	-	7	34
Washing Facilities	6	12	-	6	32
Drinking Water ...	-	-	-	-	-
Accommodation for Clothing ...	-	-	-	-	-
Floors, Stairs & Passages ...	3	3	-	1	22
First Aid ...	6	12	-	1	48
Seats for sedentary workers ...	-	-	-	-	3
Seats for non-sedentary workers ...	-	1	-	-	1
Dangerous Machinery	-	3	-	1	10
Abstract not exhibited ...	8	16	-	6	48
Cleanliness etc. of premises ...	1	4	-	1	7

The first general inspection of premises registered under the Act has been practically completed, only eight remain to be done.

It is now evident that a number of premises which should have registered have failed to do so, and it will be necessary to visit all these to ascertain whether or not they do employ staff. In most cases, these will, no doubt, be shops which employ only one or two people and are still unaware of their obligations under the Act.

Despite the publicity which has been given by this department to the provisions relating to the notification of accidents to employees, these are still not being reported in the numbers which one would expect. Out of the 285 premises which have registered in this Borough, only seven accidents have been reported since the Act came into operation, and in 1967 no accident has been reported which came within the provisions of the Act.

MILK SUPPLY

THE MILK AND DAIRIES (GENERAL) REGULATIONS 1959

There are no milk bottling plants within the Borough, all milk is brought in to storage depots already bottled and ready for sale.

The following table gives details of samples of milk taken for bacteriological examination during 1967:-

INSPECTION AND SUPERVISION OF MILK SUPPLY

(a) Samples for Biological Examination:-

	No. of Samples	RESULTS		
		Positive	Negative	No Result
Total Number submitted	6			
Results -				
(1) Tuberculosis ...		-	6	-
(2) Brucellosis - Ring Test		2	3	1
(3) " - Culture Test		2	4	-
(4) " - Biological Test		1	5	-

(b) Samples for Statutory Tests:-

	No. of Samples	RESULTS		
		Satis-factory	Unsatis-factory	Void Samples
Raw Milk:				
(i) Methylene Blue Test	6	6	-	-
Heat Treated Milk:-				
(i) Methylene Blue Test)	28 (	28	-	-
(ii) Phosphatase Test)	28 (	28	-	-
(iii) Turbidity Test	26	26	-	-

FOOD SAMPLES

During the year, 40 samples of food were taken for bacteriological examination for the presence of food poisoning organisms. In cases where a high bacterial count was reported the premises were visited and the question of improved hygiene technique discussed. Further samples were taken and in all cases an improvement was effected.

The following is a list of the types of foodstuffs sampled:-

Pork Patties and Pork Pies	...	...	...	...	1
Cream Cakes...	...	...	...	...	8
Liquid Egg	...	...	...	...	3
Beef Mould	...	...	...	...	2
Brawn	...	...	...	...	3
Savoury	...	...	...	...	1
Roast Beef	...	...	...	...	1
Ham Soup	...	...	...	...	1
Black Pudding	...	...	...	...	1
Chicken and Ham Mould	...	...	...	...	2
Salmon Paste	...	...	...	...	1
Whipped Dairy Cream	...	...	...	...	1
Synthetic Cream Cake	...	...	...	...	13
Dairy Cream	...	...	...	...	1
Piping Jelly	...	...	...	...	1

MEAT AND OTHER FOODS, SLAUGHTERHOUSES

There are no slaughterhouses in the Borough, all butcher meat being brought in from other districts.

INSPECTION OF FOOD PREMISES

Routine visits to food premises continued during the year - in all 788 inspections were made. Food hygiene inspections were, where possible, co-ordinated with inspections under the Offices, Shops and Railway Premises Act, and the work of compiling a new register of food premises within the Borough was continued.

Visits to food premises during the year 1967:-

Bakehouses	...	...	...	...	...	...	31
Fish curing houses	...	...	...	...	...	...	278
Fish hawkers	...	...	...	...	...	...	23
Fish-friers premises	...	...	...	...	...	...	8
Food inspection	...	...	...	...	...	...	69
Grocers	...	...	...	...	...	...	10
Hotels, Boarding Houses, Clubs, Flatlets	...	...	...	...	...	...	19
Ice Cream premises	...	...	...	...	...	...	160
Meat shops	...	...	...	...	...	...	12
Milk (a) Dairies and milkshops	...	...	...	...	...	...	19
(b) Vehicles	...	...	...	...	...	...	-
Travelling foodshops and hawkers vehicles	...	...	...	...	...	...	70
Other food premises...	...	...	...	...	...	...	35
Restaurants, Canteens, Snack-bars and Licensed Premises	...	...	...	...	...	...	54
(Food	...	...	...	...	...	...	40
(Ice cream; bacteriological	...	...	...	...	...	...	84
(Milk; bacteriological	...	...	...	...	...	...	60
(tuberculosis	...	...	...	...	...	...	6
Sampling (Sewage pollution	...	...	...	...	...	...	-
(Shell-fish; bacteriological	...	...	...	...	...	...	4
(Swimming bath water; bacteriological...	...	...	...	...	...	...	36
(Water; bacteriological	...	...	...	...	...	...	14
(chemical	...	...	...	...	...	...	1

THE FOOD HYGIENE (MARKETS, STALLS AND DELIVERY VEHICLES)
REGULATIONS, 1966

These Regulations came into force on 1st January, 1967 and, during the year, every effort was made to register all vehicles carrying food within the Borough. Particular attention was paid to fish hawkers operating from the port, including those based in Fleetwood and retailing fish in other districts.

INSPECTIONS OF FOOD VEHICLES DURING 1967

Number inspected ... 69

Contraventions found 171

DETAILS OF CONTRAVENTIONS REMEDIED

Washing facilities	...	...	...	...	...	...	37
First Aid	...	...	...	...	...	...	14
Clothing	...	...	...	...	...	...	1
Name on vehicle...	...	...	...	...	...	...	19
Defects to vehicle	...	...	...	...	...	...	7
Refuse accommodation	...	...	...	...	...	...	20
Soap, towel, nailbrush	...	...	...	...	...	...	12
Light to interior of vehicle	...	...	...	...	...	...	6
Total	...	...	...	...	...	...	116

FOOD CONDEMNED DURING THE YEAR

Sixty-nine visits were made for the purpose of examining and, where necessary condemning, foodstuffs during the year. In all cases where food was found on inspection to be unsound, the food was voluntarily surrendered and so the question of legal action did not arise.

The following table gives details of food condemned in 1967:-

	lbs.		lbs.
Beef	130	Tinned Jam and Marmalade	8
Mixed Frozen Foods ...	248	Tinned Meat	279
Peas	67	Tinned Fruit	101
Sweets etc.	434	Tinned Vegetables ...	11
Cheese	61	Tinned Soup	14
Rice	112	Tinned Milk	22
Mixed Fish and Fish		Tinned Fish	6
Products... ..	12673	Miscellaneous	16

TOTAL 6 ton 6 cwt. 2 qrs. 14 lbs.

Condemned food, other than fish is removed and destroyed by the Health Department. Condemned fish is removed to the Fish Meal Works to be processed into fertilizer.

ICE CREAM

FOOD AND DRUGS ACT, 1955 - SECTION 16

THE ICE CREAM (HEAT TREATMENT ETC.) REGULATIONS, 1959

ICE CREAM

A total of 85 premises are registered for the manufacture or sale of Ice Cream within the Borough, in addition, five vehicles are registered under the Lancashire County Council (General Powers) Act, 1951, for the sale of ice cream. These are as follows:-

Manufacturers	4
Retailers	81
Ice Cream Vehicles ...	<u>5</u>
Total	<u>90</u>

Visits to ice cream premises in 1967 160
Samples taken for bacteriological examination .. 84

Results of samples taken for bacteriological examination:-

No. of Samples Taken	Methylene Blue Test		Ministry of Health Provisional Grades			
	Satis.	Unsatis.	1	2	3	4
84	80	4	70	10	3	1

Grade 1 and 2 - satisfactory (95.3%)

Grade 3 and 4 - unsatisfactory (4.7%)

DISEASES OF ANIMALS (WASTE FOOD) ORDER 1957

There is now only one plant within the Borough where waste food is boiled for the feeding of pigs. This marked reduction follows a general decrease in the number of piggeries in use coupled with the closing down of the piggeries in Sidings Road.

Existing plants licensed and still operative ... 1
Plants previously licensed now found to be no
longer in use ... -
Plants found to be in use and not previously
licensed and for which licenses have been issued -

FOOD AND DRUGS ACT, 1955

By the courtesy of the Lancashire County Council, the following particulars of the samples taken by the County Sanitary Officer under the Food and Drugs Act, in Fleetwood during the year 1967, are given:-

Description of samples	No. Samples taken	Description of samples	No. Samples taken
Milk	53	Parmesan cheese	1
Yoghourt	2	Wine cocktail	1
Single cream	1	Custard powder	2
Cheese & onion spread .	1	Canned vegetables	4
Semolina	1	Meat paste	1
Tapioca	1	Part of a buttered scone	1
Ice cream powder	1	Fresh pears	2
Fruit, canned	4	Cornflour	1
Cheese spread	2	Self raising flour	2
Cheese	1	Plain flour	1
Chopped pork	1	Meat canned	1
Fish, canned	4	Table jelly	2
Vitamin health drink powder	1	Biscuits	1
Pork sausage	1	Chicken in savoury sauce, canned	1
Lard	3	Cough Pastilles	1
Coffee	1	Pretzel stix	1
French mustard	1	Sweets	1
Double cream	1	Cream	1
Meat paste	1	Beef sausages	1
Sweetmeat	1	Drinking chocolate	1
Ice cream	3	Meat in gravy, canned .	1
Soft ice cream	1	Savoury sausage	1
Breakfast cereal	1	Fish cakes	1
Cooking fat	1	Pie filling	1
Margarine	1	Shredded suet	1
Dried fruit	9	Edible cake decorations	1
Coffee extract, dry . . .	1	Dried vegetables	1
Tea	1	Ground almonds	1

All samples with the exception of 6 were genuine.
The unsatisfactory samples were:-

Breakfast Cereal	The Insect submitted separately was a larva of a brown house moth weighing 35 milligrams. No other insects found in the packet.	Complainant and vendor informed.
Tea	Label gave no indication of the common or usual name of the food - namely "Tea" - Catering Pack.	No action taken (school kitchen).
Wine Cocktail	Contained the artificial blue colouring matter Blue VRS. As from 26th June, 1967, this colour has been excluded from the list of coal tar colours permitted for use in food.	Manufacturer notified and remaining stock withdrawn from sale.
Part of Buttered Scone	Extracted 4.5 grammes fat from the whole of the sample. This contained only 0.9 gramme butter fat. There was insufficient "Butter" on the part scone submitted to enable a determination to be carried out on the scraped off material.	Complainant informed and vendor interviewed.
Fresh Pears	Slight taint on peel.	Complainant informed.
Sweets	The words "Tonic Sweets" on sweet wrappers could imply a claim and should be amended to indicate that it is a brand name or that of the manufacturer.	Manufacturer communicated with.

DISINFESTATION

The Health Department provides a disinfestation service for the destruction of insect pests of all kinds. In addition to the treatment of houses and buildings, bedding and furniture can be treated at the Health Department in the formaldehyde gas disinfector.

The following table shows the number of infested premises treated, together with the types of infestation.

PREMISES	TYPE OF INFESTATION					
	Bugs	Fleas	Ants	Cockroaches	Flies	Others
Houses - Council	4	10	70	71	-	5
Houses - Privately Owned	3	5	13	52	1	6
Business and other Premises	-	1	9	5	-	-
TOTALS	7	16	92	128	1	11

The systematic block treatment of cockroaches begun following a detailed survey in 1964 has been continued and, during the period 1964-1967, a total of 760 disinfestations for cockroaches in dwelling houses have been carried out. A considerable amount of work is still being done against these pests but there is a marked reduction in the number of complaints being received. Ants, once more, gave rise to a considerable number of complaints, particularly in houses with solid floors.

PREVENTION OF DAMAGE BY PESTS ACT, 1949

The Department employs one full-time trained Rodent Operator. The Department van driver and one of the men employed on the refuse tip are also trained in this work and, when necessary, can be employed in rodent control.

The following table shows the number and type of premises inspected and treated:-

Properties Other Than Sewers.

1. Number of properties
in district
2. (a) Total number of
properties (including
nearby premises)
inspected following
notification ...
(b) Number infested by:-
 (i) Rats
 (ii) Mice
3. (a) Total number of
properties inspected
for rats and/or mice
for reasons other than
notification ...
(b) Number infested by:-
 (i) Rats
 (ii) Mice

Type of Property	
Non- Agricultural	Agricultural
10,115	3
145	-
24	-
118	-
156	3
6	-
4	-

SEWER TREATMENT

In 1967, a follow up treatment of manholes was carried out in a small area in the older part of town that had been found to have a small infestation of rats in 1966. In this area, only two manholes showed any indication of rat infestation. In all, 36 manholes were poison baited as a precautionary measure.

In addition, 26 manholes in the area of Broadway/Melbourne Avenue were test baited for rats and at 7 manholes takes were recorded. As a result of this, test bait poison baits were laid at all manholes in the area.

FACTORIES ACT, 1961

Part 1 of the Act

During the year, the survey in connection with the compiling of a new register of Factories was completed and the work required to remedy outstanding contraventions of the Act was completed.

(1) Inspections for purposes of provisions as to health:-

Premises	No. on register	Inspections	Number of Written notices	Occupiers prosecuted
(i) Factories in which Sections 1,2,3,4 & 6 are to be enforced by Local Authorities	16	11	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	140	314	3	-
(iii) Other premises in which Section 7 is enforced by the Local Authority	-	-	-	-
Total	156	325	3	-

(2) Cases in which defects were found:-

Particulars	Found	Remedied	Referred to H.M. Inspector	Referrred by H.M. Inspector	No. of cases in which prosecu- tions were instituted
Want of cleanliness	48	48	-	-	-
Overcrowding ...	-	-	-	-	-
Unreasonable temperature ...	-	-	-	-	-
Inadequate ventilation ...	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary conveniences:					
Insufficient ...	-	-	-	-	-
Unsuitable or defective ...	42	42	-	-	-
Not separate for sexes ...	-	-	-	-	-
Offences against the Act...	-	-	-	-	-
Total	90	90	-	-	-

Part VIII of the Act

OUTWORK

The outwork consists mainly of the manufacture of nets, other than wire nets and, according to the returns in the August lists, 16 outworkers were engaged in this trade. There were no cases of default in sending in lists and accordingly no prosecutions.

No work took place in unwholesome premises.

CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960

There are 4 licensed caravan sites within the Borough, 3 of these sites are holiday caravan sites and one farm site for one caravan only is a permanent residential site. The holiday caravan sites have become one of the features of the town and operate from April 1st each year until October 31st. The 3 holiday sites are licensed for 900, 409 and 9 caravans respectively and due regard has been given to the Model Standards prescribed by the Ministry of Housing and Local Government when licence conditions were drawn up.

SHOPS ACT, 1950

During the year, 10 visits were made to shop premises under the above-mentioned Acts.

HALF-HOLIDAY AND CLOSING ORDERS

The Shops (Early Closing Day) Act, 1965 is now in force. Under the provisions of this Act, shopkeepers are no longer confined to a fixed early closing day but can select any week day. As Fleetwood is a seaside resort, there is in force the usual seasonal extension of hours order which applies to those shops on the seaward side of the Esplanade.

P U B L I C C L E A N S I N G S E R V I C E

REFUSE COLLECTION, REFUSE DISPOSAL AND STREET CLEANSING

YEAR ENDING 31st MARCH, 1968

SERVICES PROVIDED BY THE CLEANSING DEPARTMENT

1. Collection and disposal of house refuse.
2. Collection and disposal of trade refuse.
3. Street gully emptying.
4. Street cleansing.
5. Cleansing of certain public conveniences.

VEHICLES

There are fourteen vehicles employed in connection with refuse collection and street cleansing.

Vehicle	No.	Type	Duties
Dennis	3	"Paxit" 1 and 3a rear loading compression type vehicles.	House and trade refuse collection.
Dennis	1	"Norba" rear loading compression type vehicle.	House refuse collection.
Dennis	2	Side loader.	Trade refuse collection.
Dennis	1	Gully emptier.	Gully emptying.
Weatherill Hydraulic Shovel	1	Tractor excavator.	Refuse tip levelling. Clearing sand. General loading.
Harbilt Electric	4	Street orderly trucks.	Street cleansing.
Morris	1	15 cwt. van.	Emptying litter bins. Collecting trade refuse etc. (part-time use only)
Lewin Mechanical Orderly	1	Mechanical Road Sweeper.	Street cleansing.

REFUSE COLLECTION

During 1967, the expansion of the town, particularly on the West side, continued. During the year, a further continuous rear loading compression vehicle was purchased as a replacement for an older type of compression vehicle. These new vehicles, which are faster loading and able to carry a much greater amount of refuse before having to be tipped, have made it possible to absorb the greatly increased volume of refuse to be collected. A weekly collection of refuse to all households was maintained throughout the year, including bank holiday weeks. At the height of the summer season, 270 $1\frac{1}{4}$ cu. yd. bulk containers were emptied each week. The introduction of this system has been another factor in enabling the department to cope with increased demands on the service. A free collection was given throughout the year for unwanted household articles such as furniture etc. Some indication of the need for this service is shown in the following table:-

Household Articles Removed by Special Collection During 1967

3 pce. suites	...	...	...	42
Bedroom suites	...	...	...	3
Beds, Mattresses etc.	...	...	...	270
Wardrobes	...	...	...	6
Pianos	...	...	...	16
General old furniture	...	...	...	248
Cookers	...	...	...	29
Fireplaces	...	...	...	11
General Rubbish	...	...	...	183
Coal bunkers	...	...	...	2
Perambulators and Bicycles	...	...	...	35
Miscellaneous Household effects	...	...	...	130
* Garden refuse	...	...	...	29
* Rubble and Building Material...	...	...	...	48
Water tanks	...	...	...	6
Sinks	...	...	...	5
Toilets	...	...	...	2
Baths	...	...	...	2
TOTAL				<u>1067</u>

* A charge is made for the removal of these items.

The following table gives details of refuse removed:-

Year	Dustbins Emptied	Loads house refuse removed	Loads trade refuse removed
1962/63	536,941	2,940	2,543
1963/64	539,736	2,951	3,110
1964/65	541,384	2,796	3,346
1965/66	549,260	2,629	2,677
1966/67	561,927	2,246	2,585
1967/68	578,600	2,003	2,371

The weight of refuse has been computed in accordance with the Ministry of Housing and Local Government costing return, seaside towns, at 18.1 cwts. per 1,000 population per day.

CLEANSING SERVICE

Table showing Costs for the year ending 31st March, 1968

Item	Particulars	Refuse Collection and Disposal			Street Cleansing		
		£	s.	d.	£	s.	d.
1	Gross Expenditure 	39,524	0	0	14,066	0	0
2	Gross Income 	7,616	0	0	39	0	0
	Net Costs	31,908	0	0	14,027	0	0
3	Net cost per 1,000 houses or premises ...	3,075	0	0	-----		
4	Net cost per 1,000 population 	1,114	0	0	489	0	0
5	Net cost per ton 	3	7	5	-----		
6	Net cost per 1,000 street gullies cleansed		-----		132	0	0
7	Net cost per street mile cleansed ...		-----		286	0	0
8	Net cost equivalent rate in £ 			8.8			3.8

SALVAGE DISPOSED OF
BETWEEN 1st APRIL, 1967 and 31st MARCH, 1968

	Tons	Cwts.	Value
Waste Paper	540	10	£4,413
Textiles ...	7	4	£88
Metals ...	6	16	£120
Totals	554	10	£4,621

REFUSE DISPOSAL

Refuse is disposed of by controlled tipping. Tipping is carried out at the east side of town on the marsh. With effect from April 1st 1967, a joint tipping scheme between the Borough of Fleetwood and the neighbouring authority, Thornton Cleveleys U.D.C. came into operation. The tip is given regular treatments to guard against rats and flies.

STREET CLEANSING

The methods of street sweeping employed are hand sweeping in conjunction with pedestrian controlled electric street orderly trucks and mechanical street sweeping with a mechanical sweeper. Also, during 1967, a 3 seater electrically propelled sweepers truck was put into service. This vehicle has greatly increased the mobility of the sweeping staff, especially in relation to the outlying districts of the town where much time, formerly spent walking to and from the job, is saved.

The lower promenade is swept daily during the summer season and the beach regularly cleared of litter. Blown sand can create a problem particularly after north westerly gales when the Esplanade can quickly be blocked. It is necessary to deal with this all the year round.

GULLY EMPTYING

Street gullies are cleaned by a vacuum gully emptier. The number of street gullies cleaned was 11,299.

PUBLIC CONVENIENCES

The following public conveniences were cleaned each day, including Sunday, by the Cleansing Department.

Bold Street ; Public Market, Adelaide Street (Men Only) ;
Preston Street ; Ash Street and Lindel Road.

Automatic Hand Washers and driers are available at the Bold Street ladies and gents conveniences free of charge.

The increasing popularity of the beach on the west side in recent years, during the summer months, made it necessary to consider the provision of public conveniences in this area. Mobile ladies and gents conveniences were put out for the first time at the end of West Way at the beginning of the summer of 1967. These mobile conveniences are brought in to the Town's Yard during the winter for storage.

P O R T H E A L T H R E P O R T

SECTION I. - STAFF

Table A

PORT MEDICAL OFFICER

and

MEDICAL OFFICER OF HEALTH, BOROUGH (Part Time)

Dr. J.E. Morris, B.Sc., M.B., B.C.H., D.C.H., D.P.H., D.I.H.
(Appointed 17th August, 1965)

DEPUTY PORT MEDICAL OFFICER (Part Time)

Dr. E.A.R. Berkley, T.D., M.R.C.S., L.R.C.P.
(Appointed 1st October, 1965)

CHIEF PORT HEALTH INSPECTOR

and

CHIEF PUBLIC HEALTH INSPECTOR, BOROUGH

D.R. McCulloch (Appointed 1st May, 1960)
Cert. of R.S.A.S.,
Cert. Meat & Foods R.S.H.,
Cert. Smoke Inspection, R.S.H.

ASSISTANT PORT HEALTH INSPECTOR

J. Mitchell (Appointed 1st April, 1947)
Cert. R.S.A.S.,
Cert. Meat & Food, R.S.A.S.

ASSISTANT PORT HEALTH INSPECTOR (Part Time)

and

PUBLIC HEALTH INSPECTOR, BOROUGH

H. Farrer (Appointed 1st March, 1953)
Cert. S.J.B.,
Cert. Meat & Food R.S.H.,
Cert. Smoke Inspection R.S.H.

Section II. - Amount of Shipping entering the Port Health District during the year 1967

Table B.

Vessels	Number	Tonnage	Number Inspected		Number of Ships Reported as Having or Having Had During the Voyage, Infectious Disease on Board
			By the Medical Officer of Health	By the Health Inspector	
Foreign (Cargo (Fishing	56 -	15,390 -	- -	6 -	- -
Total Foreign	56	15,390	-	6	-
Coastwise (Cargo (Fishing	196 1939	27,811 160,272	- 6	3 283	- -
Total Coastwise	2135	188,083	6	286	-
Total Foreign and Coastwise	2191	203,473	6	292	-

SECTION III - CHARACTER OF SHIPPING AND TRADE DURING THE YEAR

Table C.

Fleetwood is principally a fishing port and, during the year, 79 fishing trawlers operated from the port. Fish was landed mainly from the West Coast and Iceland fishing grounds.

During the year, 56 cargo vessels entered the port with a variety of materials as per list hereunder:-

<u>Commodity</u>		<u>Country of Origin</u>
Carbide	... ..	Poland
Carbide	... ..	Holland
Carbide	... ..	Yugoslavia
Carbide	... ..	Norway
Timber	... ..	Portugal
N. Paraffin	... ..	Germany
N. Paraffin	... ..	Holland

Also, during the year, the Coastwise trade included 123 vessels which brought oil into the Port and 58 vessels which carried commodities from the Port, included in the latter were:-

Nitro Chalk.
Caustic Soda Liquor.
Cereclor.
Trichloroethylene.
Chlorobenzene.
Building materials and general cargo.
Glass.

SECTION IV. - INLAND BARGE TRAFFIC

N I L

SECTION V. - WATER SUPPLY

The fresh water supply of the port, and for shipping, is derived from the mains of the Fylde Water Board.

Examination of samples of water from the Dock show that this water is not suitable for the washing of fish or fish boxes, or any receptacles or utensils which come into contact with fish.

The sampling of drinking water on fishing vessels and other ships continued during the year. The code of practice to be followed when filling tanks and handling drinking water hoses and the system of tank chlorination, were adhered to:-

Number of Samples Taken	Satisfactory	Unsatisfactory
153	123	30 = 19.60%

In all cases where unsatisfactory water samples were obtained, the water storage tanks were sterilised by chlorination and repeat samples taken until satisfactory reports were received.

There are no Water Boats at this port.

SECTION VI. - PUBLIC HEALTH (SHIPS) REGULATIONS, 1966

(1) List of Infected Areas.

A list is received weekly of infected areas, and, when necessary, a copy is forwarded to the local Customs and Water Guard Officers.

(2) RADIO MESSAGES

Facilities are available for radio messages to be sent to, or received from, ships outside the port, via Seaforth radio.

(3) NOTIFICATION OTHERWISE THAN BY RADIO

The Medical Officer of Health or Port Health Inspector is notified by the Harbour Authorities or Customs Officers of any illness that occurs on any vessel entering the Port. The telegraphic address to the Port Health Authority is "Portelth, Fleetwood".

(4) MOORING STATION

The mooring station for vessels found to be infected with plague, cholera or yellow fever has been fixed at a position in the River Lune, Wyre Lighthouse, bearing 192° , distant $9\frac{1}{2}$ cables.

A mooring berth, within the harbour area, for suspected or infected ships, has been fixed at No. 6 Coaling Berth within the Fish Dock.

Standing exemption, provided the answers to questions 1, 2 and 3 in the Declaration of Health are in the negative and the ship has not called at an infected port or seaboard, is granted in respect of the following notifiable diseases:-

Acute polio-encephalitis	Erysipelas
Cerebro-spinal-meningitis (cerebro-spinal fever)	German measles
Continued fever	Measles
Dysentery	Pneumonia (primary or influenzal)
Epidemic infantile paralysis (acute poliomyelitis)	Relapsing fever
Encephalitis lethargica	Scarlet fever
	Tuberculosis (all forms)
	Typhoid fever (enteric fever)

Owing to the small number of vessels arriving from foreign ports, no difficulty is experienced in carrying out the provisions of Article 16 of the Regulations.

(5) (a) HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASE

There is an arrangement with the Liverpool Hospital Authority for the admission to their hospital of certain specific cases of tropical disease, occurring on vessels.

Other infectious cases requiring admission to hospital come under local arrangements.

(b) SURVEILLANCE OF CONTACTS

The contacts of any infectious disease case are kept under observation by the Health Officers of the Local Authority.

(c) CLEANSING AND DISINFECTION OF SHIPS, PERSONS ETC.

A vapour gas disinfectant is provided by the Local Authority for disinfecting clothing and bedding. Facilities also exist for the cleansing of persons, and also for the disinfection of ships.

SECTION VII. - SMALLPOX

(1) Any case of smallpox would be admitted to Ainsworth Smallpox Hospital, Nr. Bury, the accommodation reserved for smallpox by the Manchester Regional Hospital Board.

(2) Arrangements for the transport of smallpox cases from the quayside to Ainsworth Hospital would be made by the Lancashire County Council Ambulance service. Fleetwood Port Health Authority would carry out all necessary vaccinations and see to their quarantine arrangements.

(3) The smallpox consultants available are as per the Ministry of Health panel for Manchester Regional Hospital Area, No. 13.

(4) Facilities for the laboratory diagnosis of Smallpox are available at the Public Health Laboratory, Monsall, Manchester.

SECTION VIII. - VENEREAL DISEASE

Treatment is arranged for venereal disease at the Special Treatment Clinic, Blackpool; and the Royal Infirmary, Preston, at special sessions.

SECTION IX. - CASES OF NOTIFIABLE AND INFECTIOUS DISEASE ON SHIPS

No case of notifiable or infectious disease occurred on any vessel entering the port during the year.

SECTION X. - MALARIA IN SHIPS

No cases of malaria occurred on any ship entering the port during the year.

SECTION XI. - PLAGUE IN SHIPS

No case of plague or suspected plague occurred on any ship entering the port during the year.

SECTION XII. - MEASURES AGAINST RODENTS

No action was necessary against rodents in any foreign ships entering the port during the year.

It was not necessary to treat any fishing trawlers for rats during the year.

If necessary, facilities are available for the bacteriological examination of rats.

LOCAL MEASURES AGAINST RODENTS

The work of rodent repression in the Dock Estate is now carried out by the Public Health Department instead of the British Transport Docks Board.

SECTION XIII. - INSPECTION OF SHIPS FOR NUISANCE

TABLE G. INSPECTIONS AND NOTICES

Nature and Number of Inspections	Notices Served		Result of Serving Notices
	Statutory	Other	
Crew's quarters requiring cleansing, painting etc.	8	-	
Crew's quarters damp from leaky deck, broken or defective light, etc.	-	-	
Dirty companionways	10	-)
Dirty food lockers and pantries...	4	-)
Dirty Fish Rooms	18	-	) In all cases
Defective galley pump	-	-	) defects were
Defective ventilators	1	-	) remedied after
Fresh water tanks cleansed	3	-	) verbal
Vessels infested with rats	-	-	) intimation to
Defective waste pipe to galley sink	-	-	) various owners.
Vessels fumigated	3	-)
Dirty bunks and bedding	-	-)
Dirty galleys	18	-	
Dirty cooking utensils	3	-	
Defective water closets	-	-	
Total ..	68	-	

SECTION XIV. - PUBLIC HEALTH (SHELL-FISH) REGULATIONS, 1934 & 1948

All of the shell-fish beds within the jurisdiction of the Port Health Authority are liable to pollution. Notices are exhibited prohibiting the taking of shellfish from these beds for human consumption. A local order was made in 1939, closing all shell-fish beds, within the port health area. Samples of shellfish are taken at regular intervals and sent for bacteriological examination, four such samples taken during the year showed sewage contamination.

SECTION XV. - IMPORTED FOOD REGULATIONS

According to the figures given by the Ministry of Agriculture and Fisheries, the weight and values of fish landed at Fleetwood during the year were as follows:-

	1967	
	Values £	Weight cwts.
Wet fish ..	4,085,886	916,045
Shell-fish.	<u>9,740</u>	<u>570</u>
	<u>4,095,626</u>	<u>916,615</u>

The port is one of the country's leading fishing ports, large quantities of fish are landed daily and all fish is inspected after landing. The Port Health Inspector's time is largely taken up with this work. A good spirit of co-operation has been built up between the fishing industry and this department and, as a result, on no occasion was it necessary to make application for a warrant or an order from a Justice in order to enforce the requirements of the Regulations.

The amount of fish surrendered during the year was 10,154 cwts.

The following table gives the weight of fish landed and rejected under the Public Health (Imported Food) Regulations each year from 1958 to 1967 inclusive:-

Year	Weight landed	Weight rejected	
		cwts.	qrs.
1958	1,222,525	7,483	0
1959	1,069,038	9,901	2
1960	952,084	9,358	2
1961	857,040	9,043	1
1962	920,104	13,724	2
1963	894,903	13,621	0
1964	904,778	16,670	1
1965	937,069	16,050	0
1966	875,675	17,335	1
1967	916,615	10,154	0

The following is a list of the various kinds of fish rejected under the unsound food regulations as unfit for food and sent to the local fish meal works for disposal:-

			Cwts.	Qrs.
Bream	...	...	64	0
Bergylt	...	...	151	0
Brill	...	...	-	-
Catfish	...	...	520	3
Cod	...	...	2747	0
Coalfish	..	...	1343	0
Dogfish	...	...	83	0
Dabs	...	...	23	2
Eels	...	...	2	2
Forked Hake	...	...	-	-
Gurnards...	...	...	3	0
Haddocks...	...	...	2606	3
Halibut	...	...	9	3
Hake	...	...	56	2
Herring	...	...	-	-
Lemon Soles	...	...	605	3
Ling	...	...	14	3
Mackerel ..	...	...	-	-

				Cwts.	Qrs.
Megrims	...	...	...	2	0
Mixed fish	...	...	...	111	1
Monkfish	...	...	...	1	0
Plaice	...	...	...	1342	1
Pollack	...	...	...	-	3
Roes	...	...	...	179	3
Roker	...	...	...	149	3
Shellfish	...	...	...	2	3
Skate	...	...	...	-	-
Soles	...	...	...	6	1
Turbot	...	...	...	-	1
Torsk	...	...	...	-	-
Whiting	...	...	...	125	0
Witches	...	...	...	1	3
				<u>10154</u>	<u>0</u>

PREMISES ON HARBOUR AND DOCK

During the year, 783 visits were made to various premises, which included visits to the fish meal and oil works (15), and 15 visits under the Food Hygiene Regulations.

The following table gives the number of instances in which nuisances or defects were found:-

Dirty conveniences	...	...	...	...	24
Defective conveniences	...	...	...	...	12
Choked drains	...	...	...	...	98
Accumulations	...	...	...	...	36
Portion of fish stage not properly cleansed					21
Defective rain-water pipes	...	...	...	...	35
Dirty floors	...	...	...	...	46
Premises requiring limewashing	...	...	...	...	-
No hot water supply to wash hand basin	...	...	...	...	-
					<u>272</u>

